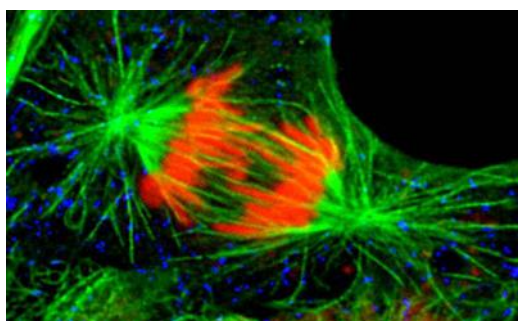


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Tıp Fakültesi

**MARMARA UNIVERSITY
EASTERN MEDITERRANEAN UNIVERSITY
INTERNATIONAL MEDICAL SCHOOL**



**INTRODUCTION TO CELL AND CELLULAR REPLICATION
YEAR 1 COURSE 1
September 28nd, 2026 – November 20th, 2026**

Year 1 Coordinators

Prof. Mustafa AKKİPRİK & Prof. Dilek AKAKIN & Assoc. Prof. Ergül MUTLU ALTUNDAĞ

PBL Module Coordinator

Prof. Rezzan Gülhan
Dr. Hüseyin BEYAZ

Coordinator of Multidisciplinary Students' Lab.

Assoc. Prof. Burak AKSU
Assoc. Prof. Ergül MUTLU ALTUNDAĞ

Coordinator of Clinical Skill Lab.

Prof. Hasan R. YANANLI
Dr. Zehra GÜLTEKİN

Coordinator of ICS Res. Lab.

Prof. Hasan R. YANANLI
Assist. Prof. İlke AKÇAY

Vice-Chief Coordinators

Assessment

Assist. Prof. Cevdet NACAR
Assist. Prof. Halil Eren SAKALLI

Student Affairs

Assist. Prof. Can ERZİK
Assist. Prof. İlke AKÇAY

Chief Coordinator

Prof. Hasan R. YANANLI
Assoc. Prof. Amber Eker

**Coordinator of Medical Education Program
Evaluation and Development Commission**

Prof. Tunç Öneş

Coordinator of the Joint Program

Prof. Süleyman Ümit ŞEHİRLİ

Dean (EMU)

Prof. Nilüfer GÜZOĞLU

Dean (MU)

Prof. Süleyman Ümit ŞEHİRLİ

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LEARNING OUTCOMES / COMPETENCIES

- A. Clinical Care: Qualified patient care and community oriented health care**
1. Basic clinical skills
 2. The organization and management of the patient and the patient care
 3. The organization and the management of health care delivery services / system
 4. Health promotion and disease prevention
- B. Medical Knowledge and Evidence-Based Medicine**
5. Appropriate information retrieval and management skills
 6. The integration of knowledge, critical thinking and evidence-based decision making
 7. Scientific methods and basic research skills
- C. Professional Attitudes and Values**
8. Communication skills and effective communication with patients / patient relatives
 9. Interpersonal relationships and team working
 10. Ethical and professional values, responsibilities
 11. Individual, social and cultural values and responsibilities
 12. Reflective practice and continuing development
 13. Healthcare delivery systems, management and community oriented healthcare
 14. Education and counseling

PHASE-1 LEARNING OBJECTIVES

1. Understanding the normal structures and functions of human body
2. Correlating the basic concepts and principles to each other that define health and disease; applying basic concepts and principles to health and disease conditions
3. Developing clinical problem solving, clinical reasoning and evaluation skills by integrating biomedical, clinical, social and humanities knowledge
4. Gaining basic clinical skills by applications in simulated settings.
5. Awareness of the professional values in health and disease processes (professional, individual, societal) and acquisition necessary related skills
6. Evaluating critically and synthesizing all the medical evidence and perform respecting scientific, professional and ethical values
7. Acquisition skills in reflective thinking and practicing, being open to continuous individual / professional development.

PHASES – 1 THEMA/ORGAN SYSTEM-BASED COURSE PROGRAMS

Year 1, Course 1: Introduction to Cell and Cellular Replication

Year 1, Course 2: Cellular Metabolism and Transport

Year 1, Course 3: Development and Organization of Human Body

Year 1, Course 4: Introduction to Nervous System and Human Behavior

Year 2, Course 1: Cell and Tissue Injury I

Year 2, Course 2: Cell and Tissue Injury II

Year 2, Course 3: Hematopoietic System and Related Disorders

Year 2, Course 4: Musculoskeletal, Integumentary Systems and Related Disorders

Year 2, Course 5: Respiratory System and Related Disorders

Year 3, Course 1: Cardiovascular System and Related Disorders

Year 3, Course 2: Gastrointestinal System, Metabolism and Related Disorders

Year 3, Course 3: Nervous System and Related Disorders

Year 3, Course : Growth, Development, Mental and Endocrine Disorders

Year 3, Course 5: Urinary and Reproductive System and Related Disorders

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INTRODUCTION TO CELL AND CELLULAR REPLICATION	
AIM and LEARNING OBJECTIVES of COURSE Aim: At the end of this committee, first year students will gain knowledge about structure, function and mechanisms in human biology at the molecular and cellular levels with a specific emphasis on cellular replication and genetics. Learning Objectives: At the end of this committee, students will, - Identify and describe the development, structure and function of cell and its subcomponents - Evaluate the biochemical process of the cell - Understand cell division process and related mechanisms - Describe the genetics mechanisms and protein biosynthesis - Understand genetic variation in individuals - Describe the molecular mechanisms of genetic inheritance and genetic basis of inherited disease - Acquire skills necessary to perform experimental applications	
ASSESSMENT SYSTEM Module examination: Written exam at the end of the course, performance during the module and reports for the modules. Practical examination: Practical exams at the end of course Course examination: Written exam at the end of course	PROGRAM EVALUATION Evaluation at the end of the course, is done both orally and by using structured evaluation forms
DEPARTMENTS PARTICIPATING IN COURSE-1 & MODULE-1	
- Biochemistry - Biophysics - Biostatistics - Chemistry	- Histology & Embryology - Medical Biology - Medical Genetics - Medical History and Ethics
LECTURERS / TUTORS	
Adil Şeytanoğlu, Assist. Prof., Molecular Biology and Genetics Afet Reşatoğlu, Inst. Turkish for Medical Students Amber Eker, Assoc. Prof., Neurology Ayşe Mine Yılmaz, Assist. Prof., Biochemistry Betül Yılmaz, Prof., Biochemistry Bilgen Bilge, Prof., Medical Genetics Can Erzik Assist. Prof., Medical Biology Cevdet Nacar, Assist. Prof., Biophysics Erdi Sözen, Assist. Prof., Biochemistry Ezgi Kıyga, Assist. Prof., Medical Biology Ergül Mutlu Altundağ, Assoc.Prof., Biochemistry Feriha Ercan, Prof., Histology and Emrbyology Goncagül Haklar, Prof., Biochemistry Gökçe Güllü Amuran., Assist. Prof Medical Biology Gürkan Sert, Assoc. Prof., Medical Ethics Halil Eren Sakallı, Assist. Prof., Pharmacology	Huriye İcıl, Prof., Chemistry Hüseyin Beyaz, Dr., Molecular Biology İlke Akçay, Assist. Prof., Biostatistics Kadir Çakıral, Dr., Chemistry Merve Açikel Elmas, Assoc. Prof., Histology and Embryology Mete Özsezer, Dr., Atatürk's Principles and History of Modern Turkey Mustafa Akkiprik, Prof., Medical Biology Mümtaz Güran, Assoc. Prof., Microbiology Namık Kerküklü, Dr., Biology Önder Şirikçi, Prof., Medical Biochemistry Özge Eker, Inst. Dr., Medical Genetics Pınar Mega Tiber, Prof., Biophysics Sevdiye Toker, Inst., Turkish for Medical Students Serap Şırvancı, Prof., Histology and Embryology Sezgi İnamlık, Inst., Turkish for Medical Students Zehra Gültekin Dr. Emergency Medicine
READING / STUDYING MATERIALS	
- Basic Histology, Junqueira, Corneiro, 8th Ed., Lange - Başlangıcından Rönesansa Kadar Tıp Tarihi, Emine Atabek, Şefik Görkey - Biochemistry, Stryer, 4th Ed., Freeman	

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- Biochemistry, Zubay, 3rd Ed., WCB
- Color Textbook of Histology, Gatrner, Hiatt, WB Saunders
- Harper's Biochemistry, Murray, Granner, 23rd Ed., Lange
- Histology: A Text and Atlas, Ross, Romwell, 3rd, Lippincott
- History of Medicine Ders Notları, Şefik Görkey
- Leninger Principles of Biochemistry, Nelson, Cox, 3rd, Worth
- Medicine: An Illustrated History, Albert S. Lyons, R. Joseph Petrucelli,
- Molecular Biology of the Cell, Alberts, Bray, 6rd Ed., Garland
- Physics, Giancoli, 4th Ed., Prentice Hall
- The Cell: A Molecular Approach, Cooper, 2nd Ed., ASM Press
- Türk Tıp Tarihi, Bedi Şeyhsuvaroğlu, Gönül Cantay.

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SUMMARY OF THE COURSE 1.1			
Discipline	Lecture & Group Discussion	Multidisciplinary Lab. & Clinical Skills Lab. Practice	Total*
Biochemistry	27	8	35
Biophysics	5		5
Biostatistics	6		6
Chemistry	20		20
Histology and Embryology	7	4	11
Medical Biology	33		33
Medical Genetics	1		1
Medical History and Ethics	11		11
Problem-Based Learning (PBL) Module	8		8
Subtotal*	118	12	130
ICS-1 CSL-FA: Clinical Skills Laboratory & Introduction to First Aid Course (MDN1707)	11	4	15
ICS-1 CS-MI: Communication Skills & Introduction to Medical Interview (MDN1705)	0		0
ICS-1 SR-CS: Introduction to Student Research and Computer Skills (MDN1706)	8		8
Medical English (ENGL131)	12		12
Atatürk's Principles and the History of Turkish Renovation (HIST180) ***	14		14
Turkish for Medical Students-I (TFMS 101) **	24		24
Elective (AE-01)	12		12
TOTAL	173** 175***	16** 16***	189** 191***

*Hours/student **For International Students *** For Turkish students

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	THEORETICAL AND PRACTICAL SESSIONS	LECTURER/TUTOR	LECTURE PLATFORM
1st Week (28 September – 02 October 2026)			
Monday	28 September		
08:40-09:30			
09:40-10:30			
10:40-11:30			
11:40-12:30			
13:00-14:00	Opening and White- Coat Ceremony		
14:00-15:00			
15:00-16:00			
16:00-17:00			
Tuesday	29 September		
08:40-09:30	Faculty and Program Orientation	Dr. Amber Eker Bakkaloğlu	IN CLASS
09:40-10:30	Academic Term Orientation and Introduction to the course	Dr. Ergül Mutlu Altundağ	IN CLASS
10:40-11:30	Orientation to the Elective Courses and Determination of Electives	Dr. Özge Cumaoğulları Eker	MED101
11:40-12:30	Orientation to the Elective Courses and Determination of Electives	Dr. Özge Cumaoğulları Eker	MED101
13:40-14:30	Introduction to organic chemistry	Dr. Huriye İcil	IN CLASS
14:40-15:30	Chemical compounds	Dr. Huriye İcil	IN CLASS
15:40-16:30	STUDY TIME		
16:40-17:30	Atatürk's Principles and History of Modern Turkey	Dr. Mete Özsezer	MS TEAMS
17:40-18:30	Atatürk's Principles and History of Modern Turkey	Dr. Mete Özsezer	MS TEAMS

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Wednesday	30 September		
08:40-09:30	STUDY TIME		
09:40-10:30	Origin of life	Dr. Adil Şeytanoğlu	IN CLASS
10:40-11:30	Introduction to biophysics	Dr. Pınar Mega Tiber	IN CLASS
11:40-12:30	Fundamentals of biomechanics	Dr. Pınar Mega Tiber	IN CLASS
13:40-14:30	Fundamentals of biomechanics	Dr. Pınar Mega Tiber	IN CLASS
14:40-15:30	Energy, heat, work and power of the body	Dr. Pınar Mega Tiber	IN CLASS
15:40-16:30	STUDY TIME		
16:40-17:30	STUDY TIME		
Thursday	01 October		
08:40-09:30	Molecular recognition process	Dr. Adil Şeytanoğlu	IN CLASS
09:40-10:30	Nucleic acids	Dr. Adil Şeytanoğlu	IN CLASS
10:40-11:30	Biomolecules and water	Dr. Önder Şirikçi	IN CLASS
11:40-12:30	Biomolecules and water	Dr. Önder Şirikçi	IN CLASS
13:40-14:30	Solubility, pH and buffers	Dr. Önder Şirikçi	IN CLASS
14:40-15:30	Solubility, pH and buffers	Dr. Önder Şirikçi	IN CLASS
15:40-16:30	Atoms and atomic theory, atomic properties and periodic table	Dr. Huriye İcil	IN CLASS
16:40-17:30	Chemical bonds: ionic and covalent	Dr. Huriye İcil	IN CLASS
Friday	02 October		
08:40-09:30	Cellular organization of life	Dr. Adil Şeytanoğlu	IN CLASS
09:40-10:30	Cellular organization of life	Dr. Adil Şeytanoğlu	IN CLASS
10:40-11:30	Amino acids	Dr. Önder Şirikçi	IN CLASS
11:40-12:30	Amino acids	Dr. Önder Şirikçi	IN CLASS
13:40-14:30	Structure of carbohydrates	Dr. Önder Şirikçi	IN CLASS
14:40-15:30	Structure of carbohydrates	Dr. Önder Şirikçi	IN CLASS

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15:40-16:30	Nucleus and nuclear genome	Dr. Adil Şeytanoğlu	IN CLASS
16:40-17:30	Regulations and assesment orientation	Dr. Halil Eren Sakallı Dr. Namık Kerküklü	IN CLASS
2nd Week (05 October – 09 October 2026)			
Monday	05 October		
08:40-09:30	Turkish for Medical Students - I	Dr. Sezgi İnamlık	IN CLASS
09:40-10:30	Turkish for Medical Students - I	Dr. Sezgi İnamlık	IN CLASS
10:40-11:30	Turkish for Medical Students - I	Dr. Sezgi İnamlık	IN CLASS
11:40-12:30	Turkish for Medical Students - I	Dr. Sezgi İnamlık	IN CLASS
13:40-14:30	Medical English (Gr.1 & Gr.2)	Inst. Sevdıye Toker Inst. Afet Reşatoğlu	IN CLASS
14:40-15:30			
15:40-16:30	Elective Courses Drug Delivery Methods in Medicine GFMS101 – German for Medical Students Introduction to Medical Biomaterials and Biosafety MDCN134 Climate Change: Effects on Health, Sustainable Living and Medicine MDCN181 – Theoretical and Applied Forensic Sciences MDCN314 – Introduction to Health Psychology	Dr. Hüseyin Beyaz Inst. Nur Sevinç Dr. Kadir Çakıral Dr. Özge Cumaogulları Eker Dr. Cemal Gürkan Inst. Hazal Dinçyürek	MED101
16:40-17:30	Elective Courses Drug Delivery Methods in Medicine GFMS101 – German for Medical Students Introduction to Medical Biomaterials and Biosafety MDCN134 Climate Change: Effects on Health, Sustainable Living and Medicine MDCN181 – Theoretical and Applied Forensic Sciences MDCN314 – Introduction to Health Psychology	Dr. Hüseyin Beyaz Inst. Nur Sevinç Dr. Kadir Çakıral Dr. Özge Cumaogulları Eker Dr. Cemal Gürkan Inst. Hazal Dinçyürek	MED101
Tuesday	06 October		
08:40-09:30	Nucleus and nuclear genome	Dr. Adil Şeytanoğlu	IN CLASS
09:40-10:30	Structure of nucleic acids	Dr. Ergül Mutlu Altundağ	IN CLASS
10:40-11:30	Chemical reactions and equilibrium	Dr. Huriye İcil	IN CLASS
11:40-12:30	Chemical reactions and equilibrium	Dr. Huriye İcil	IN CLASS
12:40-13:30			

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13:40-14:30	Building and emergency orientation	Dr. Mümtaz Güran Dr. Kadir Çakıral	IN CLASS
14:30-15:20	Laboratory Safety oryantation	Dr. Mümtaz Güran Dr. Kadir Çakıral	IN CLASS
15:30-16:20	STUDY TIME		
16:40-17:30	Atatürk's Principles and History of Modern Turkey	Dr. Mete Özsezer	MS TEAMS
17:40-18:30	Atatürk's Principles and History of Modern Turkey	Dr. Mete Özsezer	MS TEAMS
Wednesday	07 October		
08:40-09:30	STUDY TIME		
09:40-10:30	Genes and heredity	Dr. Adil Şeytanoğlu	IN CLASS
10:40-11:30	Acid and bases	Dr. Huriye İcil	IN CLASS
11:40-12:30	Acid and bases	Dr. Huriye İcil	IN CLASS
13:40-14:30	Microscope	Dr. Serap Şirvancı	IN CLASS
14:40-15:30	Microscope	Dr. Serap Şirvancı	IN CLASS
15:40-16:30	Histotechniques	Dr. Serap Şirvancı	IN CLASS
16:40-17:30	Chemical kinetics and reaction mechanism	Dr. Huriye İcil	IN CLASS
Thursday	08 October		
08:40-09:30	Cellular organelles and inclusions at LM and EM level	Dr. Feriha Ercan	IN CLASS
09:40-10:30	Cellular organelles and inclusions at LM and EM level	Dr. Feriha Ercan	IN CLASS
10:40-11:30	Histology LAB: Cell types - Group A	Dr. Feriha Ercan	Multidisciplinary Lab.
11:40-12:30	Histology LAB: Cell types - Group A	Dr. Feriha Ercan	Multidisciplinary Lab.
13:40-14:30	Histology LAB: Cell types - Group B	Dr. Feriha Ercan	Multidisciplinary Lab.
14:40-15:30	Histology LAB: Cell types - Group B	Dr. Feriha Ercan	Multidisciplinary Lab.
15:40-16:30	ICS-1 SR-CS: Introduction to ICS-Research	Dr. İlke Akçay	IN CLASS
16:40-17:30	ICS-1 SR-CS: Philosophy of Research and Scientific Approach	Dr. İlke Akçay	IN CLASS

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Friday	09 October		
08:40-09:30	STUDY TIME		
09:40-10:30	PBL Orientation	Dr. Hüseyin Beyaz	IN CLASS
10:40-11:30	Nucleus and cell division	Dr. Merve Açikel Elmas	IN CLASS
11:40-12:30	Nucleus and cell division	Dr. Merve Açikel Elmas	IN CLASS
13:40-14:30	Histology LAB: Cell division - Group A	Dr. Merve Açikel Elmas	Multidisciplinary Lab.
14:40-15:30	Histology LAB: Cell division - Group A	Dr. Merve Açikel Elmas	Multidisciplinary Lab.
15:40-16:30	Histology LAB: Cell division - Group B	Dr. Merve Açikel Elmas	Multidisciplinary Lab.
16:40-17:30	Histology LAB: Cell division - Group B	Dr. Merve Açikel Elmas	Multidisciplinary Lab.
3rd Week (12 October – 16 October 2026)			
Monday	12 October		
08:40-09:30	Turkish for Medical Students - I	Sezgi İnamlık	IN CLASS
09:40-10:30	Turkish for Medical Students - I	Sezgi İnamlık	IN CLASS
10:40-11:30	Turkish for Medical Students - I	Sezgi İnamlık	IN CLASS
11:40-12:30	Turkish for Medical Students - I	Sezgi İnamlık	IN CLASS
13:40-14:30	Medical English (Gr.1 & Gr.2)	Inst. Sevdije Toker Inst. Afet Reşatoğlu	IN CLASS
14:40-15:30			
15:40-16:30	Elective Courses Drug Delivery Methods in Medicine GFMS101 – German for Medical Students Introduction to Medical Biomaterials and Biosafety MDCN134 Climate Change: Effects on Health, Sustainable Living and Medicine MDCN181 – Theoretical and Applied Forensic Sciences MDCN314 – Introduction to Health Psychology	Dr. Hüseyin Beyaz Inst. Nur Sevinç Dr. Kadir Çakıral Dr. Özge Cumaogulları Eker Dr. Cemal Gürkan Inst. Hazal Dinçyürek	MED101
16:40-17:30	Elective Courses Drug Delivery Methods in Medicine GFMS101 – German for Medical Students	Dr. Hüseyin Beyaz Inst. Nur Sevinç Dr. Kadir Çakıral	MED101

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	Introduction to Medical Biomaterials and Biosafety MDCN134 Climate Change: Effects on Health, Sustainable Living and Medicine MDCN181 – Theoretical and Applied Forensic Sciences MDCN314 – Introduction to Health Psychology	Dr. Özge Cumaogulları Eker Dr. Cemal Gürkan Inst. Hazal Dinçyürek	
Tuesday	13 October		
08:40-09:30	ICS-1 CSL-FA: Hand washing and sterile glove wearing	Dr. Mümtaz Güran Dr. Namık Kerküklü	ICS Lab.
09:40-10:30	ICS-1 CSL-FA: Hand washing and sterile glove wearing	Dr. Mümtaz Güran Dr. Namık Kerküklü	ICS Lab.
10:40-11:30	ICS-1 CSL-FA: Hand washing and sterile glove wearing	Dr. Mümtaz Güran Dr. Namık Kerküklü	ICS Lab.
11:40-12:30	ICS-1 CSL-FA: Hand washing and sterile glove wearing	Dr. Mümtaz Güran Dr. Namık Kerküklü	ICS Lab.
13:40-14:30	Structure of lipids	Dr. Goncagül Haklar	IN CLASS
14:30-15:20	Structure of lipids	Dr. Goncagül Haklar	IN CLASS
15:30-16:20	STUDY TIME		
16:40-17:30	Atatürk's Principles and History of Modern Turkey	Dr. Mete Özsezer	MS TEAMS
17:40-18:30	Atatürk's Principles and History of Modern Turkey	Dr. Mete Özsezer	MS TEAMS
Wednesday	14 October		
08:40-09:30	Y3C1 COMMITTEE EXAM		
09:40-10:30			
10:40-11:30			
11:40-12:30			
13:40-14:30	Protein synthesis	Dr. Can Erzik	IN CLASS
14:40-15:30	Protein synthesis	Dr. Can Erzik	IN CLASS
15:40-16:30	Recombination	Dr. Can Erzik	IN CLASS
16:40-17:30	ICS-1 SR-CS: Global look to different research designs	Dr. İlke Akçay	IN CLASS

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Thursday	15 October		
08:40-09:30	Y2C1 COMMITTEE EXAM		
09:40-10:30			
10:40-11:30			
11:40-12:30			
13:40-14:30	Protein structure and function-1	Dr. Betül Yılmaz	IN CLASS
14:40-15:30	Protein structure and function-1	Dr. Betül Yılmaz	IN CLASS
15:40-16:30	Protein structure and function-2	Dr. Betül Yılmaz	IN CLASS
16:40-17:30	Protein structure and function-2	Dr. Betül Yılmaz	IN CLASS
Friday	16 October		
08:40-09:30	Cell division kinetics	Dr. Adil Şeytanoğlu	IN CLASS
09:40-10:30	Cell cycle	Dr. Adil Şeytanoğlu	IN CLASS
10:40-11:30	Enzymes: Introduction	Dr. Betül Yılmaz	IN CLASS
11:40-12:30	Enzymes: Introduction	Dr. Betül Yılmaz	IN CLASS
13:40-14:30	Enzymes: Regulation	Dr. Betül Yılmaz	IN CLASS
14:40-15:30	Enzymes: Regulation	Dr. Betül Yılmaz	IN CLASS
15:40-16:30	Administrative procedures, program coordination office and portal system orientation	Dr. İlke Akçay and Program Coordination Office	IN CLASS
16:40-17:30	Mitosis	Dr. Adil Şeytanoğlu	IN CLASS
4th Week (19 October – 23 October 2026)			
Monday	19 October		
08:40-09:30	Turkish for Medical Students - I	Sezgi İnamlık	IN CLASS
09:40-10:30	Turkish for Medical Students - I	Sezgi İnamlık	IN CLASS
10:40-11:30	Turkish for Medical Students - I	Sezgi İnamlık	IN CLASS
11:40-12:30	Turkish for Medical Students - I	Sezgi İnamlık	IN CLASS
13:40-14:30	Medical English (Gr.1 & Gr.2)	Inst. Sevdije Toker	IN CLASS

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14:40-15:30		Inst. Afet Reşatoğlu	
15:40-16:30	Elective Courses Drug Delivery Methods in Medicine GFMS101 – German for Medical Students Introduction to Medical Biomaterials and Biosafety MDCN134 Climate Change: Effects on Health, Sustainable Living and Medicine MDCN181 – Theoretical and Applied Forensic Sciences MDCN314 – Introduction to Health Psychology	Dr. Hüseyin Beyaz Inst. Nur Sevinç Dr. Kadir Çakıral Dr. Özge Cumaogulları Eker Dr. Cemal Gürkan Inst. Hazal Dinçyürek	MED101
16:40-17:30	Elective Courses Drug Delivery Methods in Medicine GFMS101 – German for Medical Students Introduction to Medical Biomaterials and Biosafety MDCN134 Climate Change: Effects on Health, Sustainable Living and Medicine MDCN181 – Theoretical and Applied Forensic Sciences MDCN314 – Introduction to Health Psychology	Dr. Hüseyin Beyaz Inst. Nur Sevinç Dr. Kadir Çakıral Dr. Özge Cumaogulları Eker Dr. Cemal Gürkan Inst. Hazal Dinçyürek	MED101
Tuesday	20 October		
08:40-09:30	ICS-1 CSL-FA: Aim of first aid, primary survey of the area	Dr. Zehra Gültekin	IN CLASS
09:40-10:30	ICS-1 CSL-FA: Aim of first aid, primary survey of the area	Dr. Zehra Gültekin	IN CLASS
10:40-11:30	ICS-1 CSL-FA: Bleeding and Wound care	Dr. Zehra Gültekin	IN CLASS
11:40-12:30	ICS-1 CSL-FA: Bleeding and Wound care	Dr. Zehra Gültekin	IN CLASS
13:40-14:30	Enzymes: Mechanism of action	Dr. Ayşe Mine Yılmaz Göler	IN CLASS
14:30-15:20	Enzymes: Mechanism of action	Dr. Ayşe Mine Yılmaz Göler	IN CLASS
15:30-16:20	STUDY TIME		
16:40-17:30	Atatürk's Principles and History of Modern Turkey	Dr. Mete Özsezer	MS TEAMS
17:40-18:30	Atatürk's Principles and History of Modern Turkey	Dr. Mete Özsezer	MS TEAMS
Wednesday	21 October		
08:40-09:30	Chemical kinetics and reaction mechanism	Dr. Huriye İcil	IN CLASS
09:40-10:30	Thermochemistry (chemical energetics)	Dr. Huriye İcil	IN CLASS

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10:40-11:30	STUDY TIME		
11:40-12:30	STUDY TIME		
13:40-14:30	PBL-1	Dr. Ergül Mutlu Altundağ Dr. Mümtaz Güran Dr. Özge Eker Dr.Kadir Çakıral Dr. Namık Kerküklü	PBL ROOM
14:40-15:30			
15:40-16:30	Cytogenetics	Dr. Bilgen Bilge Geçkinli	MS TEAMS
16:40-17:30	Information content of DNA	Dr. Cevdet Nacar	MS TEAMS
Thursday	22 October		
08:40-09:30	What is statistics and biostatistics?	Dr. İlke Akçay	IN CLASS
09:40-10:30	Statistics in medical research	Dr. İlke Akçay	IN CLASS
10:40-11:30	Thermochemistry (chemical energetics)	Dr. Huriye İcil	IN CLASS
11:40-12:30	Solubility and complex ion equilibrium	Dr. Huriye İcil	IN CLASS
13:40-14:30	ICS-1 SR-CS: Literature Review	Dr. İlke Akçay	IN CLASS
14:40-15:30	ICS-1 SR-CS: Literature Review	Dr. İlke Akçay	IN CLASS
15:40-16:30	STUDY TIME		
16:40-17:30	STUDY TIME		
Friday	23 October		
08:40-09:30	Meiosis	Dr. Adil Şeytanoğlu	IN CLASS
09:40-10:30	DNA replication	Dr. Adil Şeytanoğlu	IN CLASS
10:40-11:30	Molecular transmission of genetic information	Dr. Ergül Mutlu Altundağ	IN CLASS
11:40-12:30	Molecular transmission of genetic information	Dr. Ergül Mutlu Altundağ	IN CLASS
13:40-14:30	Regulation of gene expression	Dr. Ezgi Kıyga	IN CLASS
14:40-15:30	Regulation of gene expression	Dr. Ezgi Kıyga	IN CLASS
15:40-16:30	Solubility and complex ion equilibrium	Dr. Huriye İcil	IN CLASS
16:40-17:30	DNA replication	Dr. Adil Şeytanoğlu	IN CLASS

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5 th Week (26 October – 30 October 2026)			
Monday	26 October		
08:40-09:30	Turkish for Medical Students – I	Sezgi İnamlık	IN CLASS
09:40-10:30	Turkish for Medical Students – I	Sezgi İnamlık	IN CLASS
10:40-11:30	Turkish for Medical Students – I	Sezgi İnamlık	IN CLASS
11:40-12:30	Turkish for Medical Students – I	Sezgi İnamlık	IN CLASS
13:40-14:30	Medical English (Gr.1 & Gr.2)	Inst. Sevdıye Toker Inst. Afet Reşatoğlu	IN CLASS
14:40-15:30			
15:40-16:30	Elective Courses Drug Delivery Methods in Medicine GFMS101 – German for Medical Students Introduction to Medical Biomaterials and Biosafety MDCN134 Climate Change: Effects on Health, Sustainable Living and Medicine MDCN181 – Theoretical and Applied Forensic Sciences MDCN314 – Introduction to Health Psychology	Dr. Hüseyin Beyaz Inst. Nur Sevinç Dr. Kadir Çakıral Dr. Özge Cumaoğulları Eker Dr. Cemal Gürkan Inst. Hazal Dinçyürek	MED101
16:40-17:30	Elective Courses Drug Delivery Methods in Medicine GFMS101 – German for Medical Students Introduction to Medical Biomaterials and Biosafety MDCN134 Climate Change: Effects on Health, Sustainable Living and Medicine MDCN181 – Theoretical and Applied Forensic Sciences MDCN314 – Introduction to Health Psychology	Dr. Hüseyin Beyaz Inst. Nur Sevinç Dr. Kadir Çakıral Dr. Özge Cumaoğulları Eker Dr. Cemal Gürkan Inst. Hazal Dinçyürek	MED101
Tuesday	27 October		
08:40-09:30	ICS Orientation	Dr. Zehra Gültekin	IN CLASS
09:40-10:30	ICS-1 CSL-FA: Burns, Poisoning, Bites	Dr. Zehra Gültekin	IN CLASS
10:40-11:30	ICS-1 CSL-FA: Burns, Poisoning, Bites	Dr. Zehra Gültekin	IN CLASS
11:40-12:30	ICS-1 CSL-FA: Seizures and Stroke	Dr. Amber Eker Bakkaloğlu	IN CLASS
13:40-14:30	Designing research	Dr. İlke Akçay	IN CLASS
14:40-15:30	Types of data	Dr. İlke Akçay	IN CLASS
15:40-16:30	STUDY TIME		
16:40-17:30	Atatürk's Principles and History of Modern Turkey	Dr. Mete Özsezer	MS TEAMS

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17:40-18:30	Atatürk's Principles and History of Modern Turkey	Dr. Mete Özsezer	MS TEAMS
Wednesday	28 October		
08:40-09:30	STUDY TIME		
09:40-10:30	RNA synthesis and processing	Dr. Adil Şeytanoğlu	IN CLASS
10:40-11:30	PBL-2	Dr. Ergül Mutlu Altundağ Dr. Mümtaz Güran Dr. Özge Eker Dr. Kadir Çakıral Dr. Namık Kerküklü	PBL ROOM
11:40-12:30			
13:40-14:30	HOLIDAY		
14:40-15:30			
15:40-16:30			
16:40-17:30			
Thursday	29 October		
08:40-09:30	REPUBLIC DAY OF TURKEY		
09:40-10:30			
10:40-11:30			
11:40-12:30			
13:40-14:30			
14:40-15:30			
15:40-16:30			
16:40-17:30			
Friday	30 October		
08:40-09:30	Electrochemistry: oxidation and reduction	Dr. Huriye İcil	IN CLASS
09:40-10:30	Electrochemistry: oxidation and reduction	Dr. Huriye İcil	IN CLASS
10:40-11:30	Posttranscriptional and posttranslational modifications	Dr. Erdi Sözen	IN CLASS
11:40-12:30	Posttranscriptional and posttranslational modifications	Dr. Erdi Sözen	IN CLASS

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13:40-14:30	Mechanism of signal transduction		Dr. Erdi Sözen	IN CLASS
14:40-15:30	Mechanism of signal transduction		Dr. Erdi Sözen	IN CLASS
15:40-16:30	Structure of carbohydrates		Dr. Huriye İcil	IN CLASS
16:40-17:30	Structure of lipids		Dr. Huriye İcil	IN CLASS
6th Week (02 November – 06 November 2026)				
Cyprus Local Time	Turkey Local Time			
Monday	02 November			
08:40-09:30	09:40-10:30	Turkish for Medical Students - I	Sezgi İnamlık	IN CLASS
09:40-10:30	10:40-11:30	Turkish for Medical Students - I	Sezgi İnamlık	IN CLASS
10:40-11:30	11:40-12:30	Turkish for Medical Students - I	Sezgi İnamlık	IN CLASS
11:40-12:30	12:40-13:30	Turkish for Medical Students - I	Sezgi İnamlık	IN CLASS
13:40-14:30	14:40-15:30	Medical English (Gr.1 & Gr.2)	Inst. Sevdıye Toker Inst. Afet Reşatoğlu	IN CLASS
14:40-15:30	15:40-16:30			
15:40-16:30	16:40-17:30	Elective Courses Drug Delivery Methods in Medicine GFMS101 – German for Medical Students Introduction to Medical Biomaterials and Biosafety MDCN134 Climate Change: Effects on Health, Sustainable Living and Medicine MDCN181 – Theoretical and Applied Forensic Sciences MDCN314 – Introduction to Health Psychology	Dr. Hüseyin Beyaz Inst. Nur Sevinç Dr. Kadir Çakıral Dr. Özge Cumaoğulları Eker Dr. Cemal Gürkan Inst. Hazal Dinçyürek	MED101
16:40-17:30	17:40-18:30	Elective Courses Drug Delivery Methods in Medicine GFMS101 – German for Medical Students Introduction to Medical Biomaterials and Biosafety MDCN134 Climate Change: Effects on Health, Sustainable Living and Medicine MDCN181 – Theoretical and Applied Forensic Sciences MDCN314 – Introduction to Health Psychology	Dr. Hüseyin Beyaz Inst. Nur Sevinç Dr. Kadir Çakıral Dr. Özge Cumaoğulları Eker Dr. Cemal Gürkan Inst. Hazal Dinçyürek	MED101

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Tuesday	03 November			
08:40-09:30	09:40-10:30	ICS-1 CSL-FA: Musculoskeletal injuries	Dr. Zehra Gültekin	IN CLASS
09:40-10:30	10:40-11:30	ICS-1 CSL-FA: Musculoskeletal injuries	Dr. Zehra Gültekin	IN CLASS
10:40-11:30	11:40-12:30	ICS-1 CSL-FA: Head and neck injuries	Dr. Zehra Gültekin	IN CLASS
11:40-12:30	12:40-13:30	ICS-1 CSL-FA: Safe transport	Dr. Zehra Gültekin	IN CLASS
13:40-14:30	14:40-15:30	Cell death and molecular mechanisms	Dr. Mustafa Akkiprik	MS TEAMS
14:30-15:20	15:40-16:30	Molecular basis of disease	Dr. Mustafa Akkiprik	MS TEAMS
15:30-16:20	16:40-17:30	STUDY TIME		
16:40-17:30	17:40-18:30	Atatürk's Principles and History of Modern Turkey	Dr. Mete Özsezer	MS TEAMS
17:40-18:30	18:40-19:30	Atatürk's Principles and History of Modern Turkey	Dr. Mete Özsezer	MS TEAMS
Wednesday	04 November			
08:40-09:30	09:40-10:30	Biochemistry LAB: Spectrophotometer-Group A	Dr. Ergül Mutlu Altundağ	Multidisciplinary Lab.
09:40-10:30	10:40-11:30	Biochemistry LAB: Spectrophotometer-Group A	Dr. Ergül Mutlu Altundağ	Multidisciplinary Lab.
10:40-11:30	11:40-12:30	Biochemistry LAB: Spectrophotometer-Group A	Dr. Ergül Mutlu Altundağ	Multidisciplinary Lab.
11:40-12:30	12:40-13:30	Biochemistry LAB: Spectrophotometer-Group A	Dr. Ergül Mutlu Altundağ	Multidisciplinary Lab.
13:40-14:30	14:40-15:30	Biochemistry LAB: Spectrophotometer - Group B	Dr. Ergül Mutlu Altundağ	Multidisciplinary Lab.
14:40-15:30	15:40-16:30	Biochemistry LAB: Spectrophotometer - Group B	Dr. Ergül Mutlu Altundağ	Multidisciplinary Lab.
15:40-16:30	16:40-17:30	Biochemistry LAB: Spectrophotometer - Group B	Dr. Ergül Mutlu Altundağ	Multidisciplinary Lab.
16:40-17:30	17:40-18:30	Biochemistry LAB: Spectrophotometer - Group B	Dr. Ergül Mutlu Altundağ	Multidisciplinary Lab.
Thursday	05 November			
08:40-09:30	09:40-10:30	PBL-3	Dr. Ergül Mutlu Altundağ	PBL ROOM

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09:40-10:30	10:40-11:30		Dr. Mümtaz Güran Dr. Özge Eker Dr. Kadir Çakıral Dr. Namık Kerküklü	
10:40-11:30	11:40-12:30	Introduction to human genetics	Dr. Adil Şeytanoğlu	IN CLASS
11:40-12:30	12:40-13:30	Genetic variation in populations	Dr. Adil Şeytanoğlu	IN CLASS
13:40-14:30	14:40-15:30	ICS-1 SR-CS: Announcement of Research Groups and mentors	Dr. İlke Akçay	IN CLASS
14:40-15:30	15:40-16:30	ICS-1 SR-CS: Group Warm-up activities	Dr. İlke Akçay	IN CLASS
15:40-16:30	16:40-17:30	ICS-1 SR-CS: Group Warm-up activities	Dr. İlke Akçay	IN CLASS
16:40-17:30	17:40-18:30	Structure of proteins	Dr. Huriye İcil	IN CLASS
17:40-18:30	18:40-19:30	High-energy compounds	Dr. Huriye İcil	IN CLASS
Friday	06 November			
08:40-09:30	09:40-10:30	Biochemistry LAB: Urease - Group A	Dr. Ergül Mutlu Altundağ	Multidisciplinary Lab.
09:40-10:30	10:40-11:30	Biochemistry LAB: Urease - Group A	Dr. Ergül Mutlu Altundağ	Multidisciplinary Lab.
10:40-11:30	11:40-12:30	Biochemistry LAB: Urease - Group A	Dr. Ergül Mutlu Altundağ	Multidisciplinary Lab.
11:40-12:30	12:40-13:30	Biochemistry LAB: Urease - Group A	Dr. Ergül Mutlu Altundağ	Multidisciplinary Lab.
13:40-14:30	14:40-15:30	Biochemistry LAB: Urease - Group B	Dr. Ergül Mutlu Altundağ	Multidisciplinary Lab.
14:40-15:30	15:40-16:30	Biochemistry LAB: Urease - Group B	Dr. Ergül Mutlu Altundağ	Multidisciplinary Lab.
15:40-16:30	16:40-17:30	Biochemistry LAB: Urease - Group B	Dr. Ergül Mutlu Altundağ	Multidisciplinary Lab.
16:40-17:30	17:40-18:30	Biochemistry LAB: Urease - Group B	Dr. Ergül Mutlu Altundağ	Multidisciplinary Lab.
	7th Week (09 November – 13 November 2026)			
Cyprus Local Time	Turkey Local Time			
Monday	09 November			

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08:40-09:30	09:40-10:30	Turkish for Medical Students -I	Sezgi İnamlık	IN CLASS
09:40-10:30	10:40-11:30	Turkish for Medical Students -I	Sezgi İnamlık	IN CLASS
10:40-11:30	11:40-12:30	Turkish for Medical Students -I	Sezgi İnamlık	IN CLASS
11:40-12:30	12:40-13:30	Turkish for Medical Students -I	Sezgi İnamlık	IN CLASS
13:40-14:30	14:40-15:30	Medical English (Gr.1 & Gr.2)	Inst. Sevdije Toker Inst. Afet Reşatoğlu	IN CLASS
14:40-15:30	15:40-16:30			
15:40-16:30	16:40-17:30	Elective Courses Drug Delivery Methods in Medicine GFMS101 – German for Medical Students Introduction to Medical Biomaterials and Biosafety MDCN134 Climate Change: Effects on Health, Sustainable Living and Medicine MDCN181 – Theoretical and Applied Forensic Sciences MDCN314 – Introduction to Health Psychology	Dr. Hüseyin Beyaz Inst. Nur Sevinç Dr. Kadir Çakıral Dr. Özge Cumaogulları Eker Dr. Cemal Gürkan Inst. Hazal Dinçyürek	MED101
16:40-17:30	17:40-18:30	Elective Courses Drug Delivery Methods in Medicine GFMS101 – German for Medical Students Introduction to Medical Biomaterials and Biosafety MDCN134 Climate Change: Effects on Health, Sustainable Living and Medicine MDCN181 – Theoretical and Applied Forensic Sciences MDCN314 – Introduction to Health Psychology	Dr. Hüseyin Beyaz Inst. Nur Sevinç Dr. Kadir Çakıral Dr. Özge Cumaogulları Eker Dr. Cemal Gürkan Inst. Hazal Dinçyürek	MED101
Tuesday	10 November			
08:40-09:30	09:40-10:30	ATATÜRK COMMEMORATION DAY		
09:40-10:30	10:40-11:30			
10:40-11:30	11:40-12:30			
11:40-12:30	12:40-13:30			
13:40-14:30	14:40-15:30	Detection of nucleic acids	Dr. Gökçe Güllü Amuran	IN CLASS
14:30-15:20	15:40-16:30	Tools of cell biology	Dr. Gökçe Güllü Amuran	IN CLASS

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15:40-16:30	16:40-17:30	STUDY TIME		
16:40-17:30	17:40-18:30	Atatürk's Principles and History of Modern Turkey	Dr. Mete Özsezer	MS TEAMS
17:40-18:30	18:40-19:30	Atatürk's Principles and History of Modern Turkey	Dr. Mete Özsezer	MS TEAMS
Wednesday	11 November			
08:40-09:30	09:40-10:30	RNA synthesis and processing	Dr. Adil Şeytanoğlu	IN CLASS
09:40-10:30	10:40-11:30	STUDY TIME		
10:40-11:30	11:40-12:30	Describing the data with graphics	Dr. İlke Akçay	IN CLASS
11:40-12:30	12:40-13:30	Describing the data with numbers	Dr. İlke Akçay	IN CLASS
13:40-14:30	14:40-15:30	PBL-4	Dr. Ergül Mutlu Altundağ Dr. Mümtaz Güran Dr. Özge Eker Dr. Kadir Çakıral Dr. Namık Kerküklü	PBL ROOM
14:40-15:30	15:40-16:30			
15:40-16:30	16:40-17:30	STUDY TIME		
16:40-17:30	17:40-18:30	STUDY TIME		
Thursday	12 November			
08:40-09:30	09:40-10:30	Factors affecting single-gene inheritance patterns	Dr. Adil Şeytanoğlu	IN CLASS
09:40-10:30	10:40-11:30	Viruses, plasmids, transposable genetic elements	Dr. Adil Şeytanoğlu	IN CLASS
10:40-11:30	11:40-12:30	Introduction to history of medicine	Dr. Gürkan Sert	IN CLASS
11:40-12:30	12:40-13:30	Turning points in History of Medicine	Dr. Gürkan Sert	IN CLASS
13:40-14:30	14:40-15:30	Turning points in History of Medicine	Dr. Gürkan Sert	IN CLASS
14:40-15:30	15:40-16:30	History of Medicine in Seljukid and Ottoman Ages	Dr. Gürkan Sert	IN CLASS
15:40-16:30	16:40-17:30	History of Medicine in Turkish Republic	Dr. Gürkan Sert	IN CLASS
16:40-17:30	17:40-18:30	STUDY TIME		
17:40-18:30	18:40-19:30	Mutations and polymorphisms	Dr. Adil Şeytanoğlu	IN CLASS

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Friday	13 November			
08:40-09:30	09:40-10:30	DNA Repair	Dr. Adil Şeytanoğlu	IN CLASS
09:40-10:30	10:40-11:30	History of Physiology	Dr. Gürkan Sert	IN CLASS
10:40-11:30	11:40-12:30	History of Anatomy	Dr. Gürkan Sert	IN CLASS
11:40-12:30	12:40-13:30	History of Surgery	Dr. Gürkan Sert	IN CLASS
13:40-14:30	14:40-15:30	Evolution of the concept of infection	Dr. Gürkan Sert	IN CLASS
14:40-15:30	15:40-16:30	History of human experimentation	Dr. Gürkan Sert	IN CLASS
15:40-16:30	16:40-17:30	History of medical professionalism	Dr. Gürkan Sert	IN CLASS
16:40-17:30	17:40-18:30	Chromosome structure, function and anomalies	Dr. Adil Şeytanoğlu	IN CLASS
17:40-18:30	18:40-19:30	Multifactorial inheritance	Dr. Adil Şeytanoğlu	IN CLASS
8th Week (16 November – 20 November 2026)				
Cyprus Local Time	Turkey Local Time			
Monday	16 November			
08:40-09:30	09:40-10:30	PRACTICAL EXAM		
09:40-10:30	10:40-11:30			
10:40-11:30	11:40-12:30			
11:40-12:30	12:40-13:30			
13:40-14:30	14:40-15:30			
14:40-15:30	15:40-16:30			
15:40-16:30	16:40-17:30			
16:40-17:30	17:40-18:30			
Tuesday	17 November			
08:40-09:30	09:40-10:30			
09:40-10:30	10:40-11:30			
10:40-11:30	11:40-12:30			

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11:40-12:30	12:40-13:30	PRACTICAL EXAM		
13:40-14:30	14:40-15:30			
14:40-15:30	15:40-16:30			
15:40-16:30	16:40-17:30			
16:40-17:30	17:40-18:30			
Wednesday	18 November			
08:40-09:30	09:40-10:30	STUDY TIME		
09:40-10:30	10:40-11:30	STUDY TIME		
10:40-11:30	11:40-12:30	STUDY TIME		
11:40-12:30	12:40-13:30	STUDY TIME		
13:40-14:30	14:40-15:30	STUDY TIME		
14:40-15:30	15:40-16:30	STUDY TIME		
15:40-16:30	16:40-17:30	STUDY TIME		
16:40-17:30	17:40-18:30	STUDY TIME		
Thursday	19 November			
08:40-09:30	09:40-10:30	Y1C1 COMMITTEE EXAM		
09:40-10:30	10:40-11:30			
10:40-11:30	11:40-12:30			
11:40-12:30	12:40-13:30			
13:40-14:30	14:40-15:30			
14:40-15:30	15:40-16:30			
15:40-16:30	16:40-17:30			
16:40-17:30	17:40-18:30			
Friday	20 November			
08:40-09:30	09:40-10:30	STUDY TIME		

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09:40-10:30	10:40-11:30	STUDY TIME		
10:40-11:30	11:40-12:30	STUDY TIME		
11:40-12:30	12:40-13:30	STUDY TIME		
13:40-14:30	14:40-15:30	STUDY TIME		
14:40-15:30	15:40-16:30	STUDY TIME		
15:40-16:30	16:40-17:30	STUDY TIME		
16:40-17:30	17:40-18:30	STUDY TIME		